

```

<ccpp:component>
  <rdf:Description ID="Streaming">
    <rdf:type rdf:resource=" http://www.3gpp.org/profiles/PSS/ccppschem-
PSS6#Streaming" />
    <pss6:AudioChannels>Stereo</pss6:AudioChannels>
    <pss6:VideoPreDecoderBufferSize>30720</pss6:VideoPreDecoderBufferSize>
    <pss6:VideoInitialPostDecoderBufferingPeriod>0</pss6:VideoInitialPostDecoderBuf
feringPeriod>
    <pss6:VideoDecodingByteRate>16000</pss6:VideoDecodingByteRate>
    <pss6:RenderingScreenSize>73x50</pss6:RenderingScreenSize>
    <pss6:AVPFSupport>TRUE</pss6:AVPFSupport>
    <pss6:UnsupportedAdaptationSupport>TRUE</pss6:UnsupportedAdaptationSuppo
rt>
    <pss6:SupportedAdaptationSupport>TRUE</pss6:SupportedAdaptationSupp
ort>
    <pss6:PssAccept>
      <rdf:Bag>
        <rdf:li>audio/AMR-WB;octet-alignment</rdf:li>
        <rdf:li>video/MP4V-ES</rdf:li>
      </rdf:Bag>
    </pss6:PssAccept>
    <pss6:PssAccept-Subset>
      <rdf:Bag>
        <rdf:li>JPEG-PSS</rdf:li>
      </rdf:Bag>
    </pss6:PssAccept-Subset>
    <pss6:PssVersion>3GPP-R6</pss6:PssVersion>
    <pss6:RenderingScreenSize>70x40</pss6:RenderingScreenSize>
    <pss6:SmilBaseSet>SMIL-3GPP-R4</pss6:SmilBaseSet>
    <pss6:SmilModules>
      <rdf:Bag>
        <rdf:li>BasicTransitions</rdf:li>
        <rdf:li>MulitArcTiming</rdf:li>
      </rdf:Bag>
    </pss6:SmilModules>
  </rdf:Description>
</ccpp:component>
...

```

FIG. 1

v=0  
o=alice 3203093520 3203093520 IN IP4 host.example.com  
s=Adaptation support example  
i=Example of Unicast SDP file  
u=http://www.infoserver.com/ae600  
e=ghost@mailserver.com  
t=0 0  
a=range: npt=0-300  
**a= x-supportedadaptationsupport**  
m=audio 0 RTP/AVP 96  
b= AS:5  
c=IN IP4 0.0.0.0  
a=rtpmap:96 AMR-NB/8000  
**m=video 0 RTP/AVPF 98**  
b=AS:64  
c=IN IP4 0.0.0.0  
a=rtpmap:98 H263-2000/90000  
a=fmtp:96 profile=3;level=10  
**a=x-avpfsupport**  
**a=rtcp-fb:\* nack**  
**a=rtcp-fb:98 nack rpsi**

FIG. 2

Server->Client

RTSP/1.0 200 OK

CSeq: 2

Content-Type: application/sdp

Content-Length: 164

v=0

o=alice 3203093520 3203093520 IN IP4 host.example.com

s=Adaptation support example

i=Example of Unicast SDP file

u=http://www.infoserver.com/ae600

e=ghost@mailserver.com

t=0 0

a=range: npt=0-300

**a= x-supportedadaptationsupport**

m=audio 0 RTP/AVP 96

b= AS:5

c=IN IP4 0.0.0.0

a=rtpmap:96 AMR-NB/8000

m=video 0 RTP/AVPF 98

b=AS:64

c=IN IP4 0.0.0.0

a=rtpmap:98 H263-2000/90000

a=fmtp:98 profile=3;level=10

**a=x-avpfsupport**

**a=rtcp-fb:\* nack**

**a=rtcp-fb:98 nack rpsi**

FIG. 3

Server->Client

RTSP/1.0 200 OK

CSeq: 1

**Unsupported: x-unsupportedadaptationsupport**

Content-Type: application/sdp

Content-Length: 164

v=0

o=alice 3203093520 3203093520 IN IP4 host.example.com

s=Adaptation support example

i=Example of Unicast SDP file

u=http://www.infoserver.com/ae600

e=ghost@mailserver.com

t=0 0

a=range: npt=0-300

**a= x-supportedadaptationsupport**

m=audio 0 RTP/AVP 96

b= AS:5

c=IN IP4 0.0.0.0

a=rtpmap:96 AMR-NB/8000

m=video 0 RTP/AVPF 98

b=AS:64

c=IN IP4 0.0.0.0

a=rtpmap:98 H263-2000/90000

a=fmtp:98 profile=3;level=10

**a=x-avpfsupport**

**a=rtcp-fb:\* nack**

**a=rtcp-fb:98 nack rpsi**

FIG. 4

```

...
<ccpp:component>
  <rdf:Description ID="Streaming">
    <rdf:type rdf:resource=" http://www.3gpp.org/profiles/PSS/ccppschem-
PSS6#Streaming" />
    <pss6:AudioChannels>Stereo</pss6:AudioChannels>
    <pss6:VideoPreDecoderBufferSize>30720</pss6:VideoPreDecoderBufferSize>
    <pss6:VideoInitialPostDecoderBufferingPeriod>0</pss6:VideoInitialPostDecoderBuf
feringPeriod>
    <pss6:VideoDecodingByteRate>16000</pss6:VideoDecodingByteRate>
    <pss6:RenderingScreenSize>73x50</pss6:RenderingScreenSize>
    <pss6:RtxSupport>TRUE</pss6:RtxSupport>
    <pss6:UnsupportedAdaptationSupport>TRUE</pss6:UnsupportedAdaptation
Support>
    <pss6:SupportedAdaptationSupport>TRUE</pss6:SupportedAdaptationSupp
ort>
    <pss6:PssAccept>
      <rdf:Bag>
        <rdf:li>audio/AMR-WB;octet-alignment</rdf:li>
        <rdf:li>video/MP4V-ES</rdf:li>
      </rdf:Bag>
    </pss6:PssAccept>
    <pss6:PssAccept-Subset>
      <rdf:Bag>
        <rdf:li>JPEG-PSS</rdf:li>
      </rdf:Bag>
    </pss6:PssAccept-Subset>
    <pss6:PssVersion>3GPP-R6</pss6:PssVersion>
    <pss6:RenderingScreenSize>70x40</pss6:RenderingScreenSize>
    <pss6:SmilBaseSet>SMIL-3GPP-R4</pss6:SmilBaseSet>
    <pss6:SmilModules>
      <rdf:Bag>
        <rdf:li>BasicTransitions</rdf:li>
        <rdf:li>MulitArcTiming</rdf:li>
      </rdf:Bag>
    </pss6:SmilModules>
  </rdf:Description>
</ccpp:component>
...

```

FIG. 5

v=0  
o=alice 3203093520 3203093520 IN IP4 host.example.com  
s=Adaptation support example  
i=Example of Unicast SDP file  
u=http://www.infoserver.com/ae600  
e=ghost@mailserver.com  
t=0 0  
a=range: npt=0-300  
**a=x-supportedadaptationsupport**  
m=audio 0 RTP/AVP 96  
b= AS:5  
c=IN IP4 0.0.0.0  
a=rtpmap:96 AMR-NB/8000  
m=video 0 RTP/AVPF 98 99  
b=AS:64  
c=IN IP4 0.0.0.0  
a=rtpmap:98 H263-2000/90000  
a=fmtp:98 profile=3;level=10  
**a=x-rtxsupport**  
a=rtcp-fb:\* nack  
a=rtcp-fb:98 nack rpsi  
**a=rtpmap:99 rtx/90000**  
**a=fmtp:99 apt=96;rtx-time=3000**

FIG. 6

v=0  
o=alice 3203093520 3203093520 IN IP4 host.example.com  
s=Adaptation support example  
i=Example of Unicast SDP file  
u=http://www.infoserver.com/ae600  
e=ghost@mailserver.com  
t=0 0  
a=range: npt=0-300  
**a=x-supportedadaptationsupport**  
m=audio 0 RTP/AVP 96  
b= AS:5  
c=IN IP4 0.0.0.0  
a=rtpmap:96 AMR-NB/8000  
m=video 0 RTP/AVPF 98 99  
b=AS:64  
c=IN IP4 0.0.0.0  
a=rtpmap:98 H263-2000/90000  
a=fmtp:98 profile=3;level=10  
**a=x-rtxsupport**  
a=rtcp-fb:\* nack  
a=rtcp-fb:98 nack rpsi  
**a=rtpmap:99 rtx/90000**  
**a=fmtp:99 apt=96;rtx-time=3000**

FIG. 7

Server->Client

RTSP/1.0 200 OK

CSeq: 1

**Unsupported: x-unsupportedadaptationsupport**

Content-Type: application/sdp

Content-Length: 164

v=0

o=alice 3203093520 3203093520 IN IP4 host.example.com

s=Adaptation support example

i=Example of Unicast SDP file

u=http://www.infoserver.com/ae600

e=ghost@mailserver.com

t=0 0

a=range: npt=0-300

**a= x-supportedadaptationsupport**

m=audio 0 RTP/AVP 96

b= AS:5

c=IN IP4 0.0.0.0

a=rtpmap:96 AMR-NB/8000

m=video 0 RTP/AVPF 98 99

b=AS:64

c=IN IP4 0.0.0.0

a=rtpmap:98 H263-2000/90000

a=fmtp:98 profile=3;level=10

**a=x-rtxsupport**

a=rtcp-fb:\* nack

a=rtcp-fb:98 nack rpsi

**a=rtpmap:99 rtx/90000**

**a=fmtp:99 apt=96;rtx-time=3000**

FIG. 8

```

...
<ccpp:component>
  <rdf:Description ID="Streaming">
    <rdf:type rdf:resource=" http://www.3gpp.org/profiles/PSS/ccppschem-
PSS6#Streaming" />
    <pss6:AudioChannels>Stereo</pss6:AudioChannels>
    <pss6:VideoPreDecoderBufferSize>30720</pss6:VideoPreDecoderBufferSize>
    <pss6:VideoInitialPostDecoderBufferingPeriod>0</pss6:VideoInitialPostDecoderBufferi
ngPeriod>
    <pss6:VideoDecodingByteRate>16000</pss6:VideoDecodingByteRate>
    <pss6:RenderingScreenSize>73x50</pss6:RenderingScreenSize>
    <pss6:SRTPSupport>TRUE</pss6:SRTPSupport>
    <pss6:UnsupportedAdaptationSupport>TRUE</pss6:UnsupportedAdaptationSup
port>
    <pss6:SupportedAdaptationSupport>TRUE</pss6:SupportedAdaptationSupport>
    <pss6:PssAccept>
      <rdf:Bag>
        <rdf:li>audio/AMR-WB;octet-alignment</rdf:li>
        <rdf:li>video/MP4V-ES</rdf:li>
      </rdf:Bag>
    </pss6:PssAccept>
    <pss6:PssAccept-Subset>
      <rdf:Bag>
        <rdf:li>JPEG-PSS</rdf:li>
      </rdf:Bag>
    </pss6:PssAccept-Subset>
    <pss6:PssVersion>3GPP-R6</pss6:PssVersion>
    <pss6:RenderingScreenSize>70x40</pss6:RenderingScreenSize>
    <pss6:SmilBaseSet>SMIL-3GPP-R4</pss6:SmilBaseSet>
    <pss6:SmilModules>
      <rdf:Bag>
        <rdf:li>BasicTransitions</rdf:li>
        <rdf:li>MulitArcTiming</rdf:li>
      </rdf:Bag>
    </pss6:SmilModules>
  </rdf:Description>
</ccpp:component>
...

```

FIG. 9

v=0  
o=alice 3203093520 3203093520 IN IP4 host.example.com  
s=Adaptation support example  
i=Example of Unicast SDP file  
u=http://www.infoserver.com/ae600  
e=ghost@mailserver.com  
t=0 0  
a=range: npt=0-300  
**a= x-supportedadaptationsupport**  
**a= x-srtpsupport**  
<...Relevant audio and video media SDP declarations as defined in *draft-srtp-05*>

FIG. 10

Server->Client  
RTSP/1.0 200 OK  
CSeq: 2  
Content-Type: application/sdp  
Content-Length: 164  
  
v=0  
o=alice 3203093520 3203093520 IN IP4 host.example.com  
s=Adaptation support example  
i=Example of Unicast SDP file  
u=http://www.infoserver.com/ae600  
e=ghost@mailserver.com  
t=0 0  
a=range: npt=0-300  
**a= x-supportedadaptationsupport**  
**a= x-srtpsupport**  
<...Relevant audio and video media SDP declarations as defined in *draft-srtp-*  
05>

FIG. 11

Server->Client  
RTSP/1.0 200 OK  
CSeq: 1  
**Unsupported: x-unsupportedadaptationsupport**  
Content-Type: application/sdp  
Content-Length: 164  
  
v=0  
o=alice 3203093520 3203093520 IN IP4 host.example.com  
s=Adaptation support example  
i=Example of Unicast SDP file  
u=http://www.infoserver.com/ae600  
e=ghost@mailserver.com  
t=0 0  
a=range: npt=0-300  
**a= x-supportedadaptationsupport**  
**a= x-srtpsupport**  
<...Relevant audio and video media SDP declarations as defined in *draft-srtp-05*>

FIG. 12

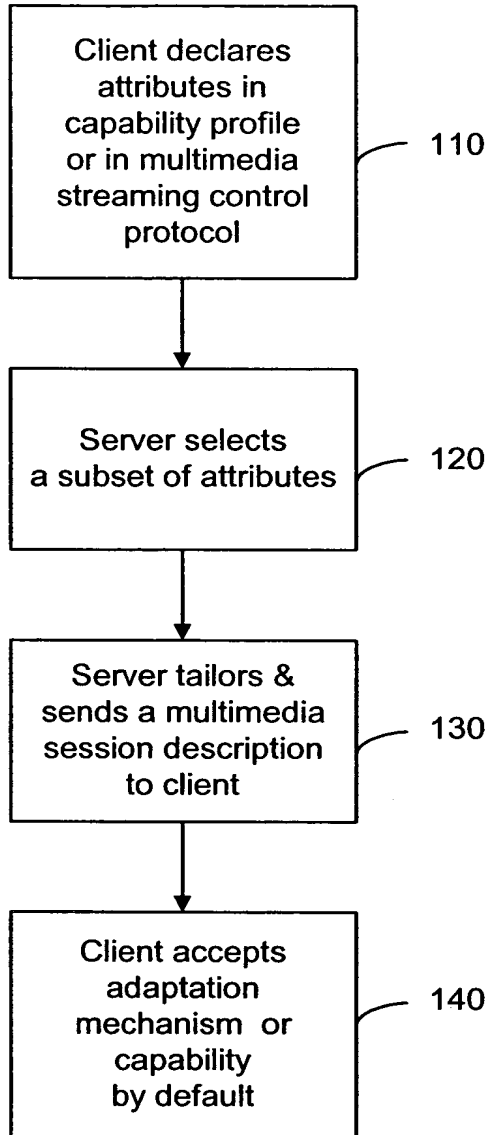


Figure 13

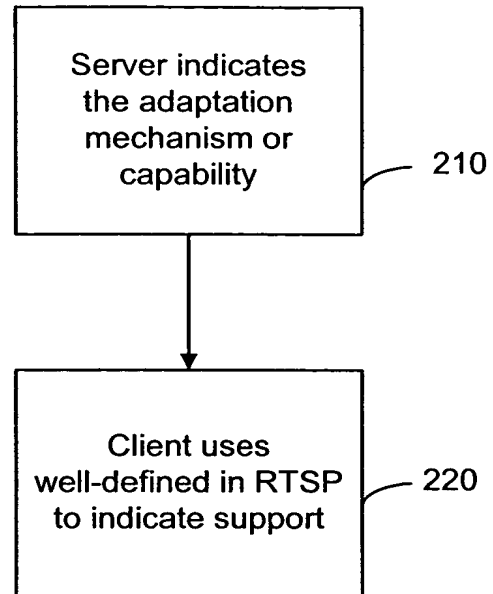


Figure 14